

Serial No.: 09/017,329

-2-

Docket No.: 1083.1049/MJB

Amended

1. (TWICE AMENDED) A computer network system in which plural connecting means capable of connecting and disconnecting a computer is provided in a network circuit to which a first computer has been connected, and a second computer is connected to one of said connecting means, wherein

V

said first computer comprises resource information managing means for managing information relating to resources, including the [physical location] position in the real world of the resources, which are usable through said network circuit, and resource information processing means for taking out the content of said resource information managing means in response to a request of information relating to usable resources from another computer, and transmitting to said network circuit,

said second computer comprises resource setting means for setting the resource according to the content of the resource information transmitted by said resource information processing means of said first computer, and

when said second computer is connected to said network circuit through any one of said plural connecting means, said resource setting means receives the content of the resource information transmitted by said resource information processing means of said first computer and sets the resource.

2. (TWICE AMENDED) A computer network system in which plural connecting means capable of connecting and disconnecting a computer is provided in a network circuit to which a first computer has been connected, and a second computer is connected to one of said connecting means, wherein

Serial No.: 09/017,329

-3-

Docket No.: 1083.1049/MJB

said first computer comprises resource information managing means for managing information relating to resources, including the [physical location] position in the real world of the resources, which are usable through said network circuit, resource information processing means for taking out the content of said resource information managing means in response to a request of information relating to usable resources from another computer, and transmitting to said network circuit, and resource installation position managing means for managing the position at which the resource managed by said resource information managing means exists,

said second computer comprises position noticing means for noticing the position information indicating the position to said first computer when connected to one of said connecting means, resource selecting means for selecting an arbitrary resource out of plural resources, and resource setting means for setting the resource according to the content of the resource information selected by said resource selecting means, and

when said second computer is connected to said network circuit through any one of said plural connecting means,

said resource installation position managing means of said first computer reads out the resource information corresponding to the position information noticed by said position noticing means from said resource information managing means, and transmits to said second computer, and

said resource setting means of said second computer sets the resource selected by said resource selecting means in the resource information received from said first computer.

Serial No.: 09/017,329

-4-

Docket No.: 1083.1049/MJB

3. (TWICE AMENDED) A computer network system in which plural connecting means capable of connecting and disconnecting a computer is provided in a network circuit to which a first computer has been connected, and a second computer is connected to one of said connecting means, wherein

b1
said first computer comprises resource information managing means for managing information relating to resources, including the [physical location] position in the real world of the resources, which are usable through said network circuit, and resource information processing means for taking out the content of said resource information managing means in response to a request of information relating to usable resources from another computer, and transmitting to said network circuit,

said second computer comprises resource information holding means for holding the resource information relating to the resources that can be managed directly, and comparing means for comparing the content of said resource information holding means and the content of said resource information managing means of said first computer, and detecting a replaceable resource, and

when said second computer is connected to said network circuit through any one of said plural connecting means as being disconnected from the resource that can be managed directly, said comparing means compares the content of said resource information managing means transmitted from said resource information processing means and the content of said resource information holding means, and resource setting means sets a replaceable resource.

Serial No.: 09/017,329

-5-

Docket No.: 1083.1049/MJB

4. (TWICE AMENDED) A computer network system in which plural connecting means capable of connecting and disconnecting a computer is provided in a network circuit to which a computer is connected to one of said connecting means, wherein

said computer comprises resource information managing means for managing plural sets of information relating to the resources, including the [physical location] position in the real world of the resources, which are usable through said network circuit corresponding to said connecting means, position selecting means for selecting one of the information relating to plural sets of resources managed by said resource information managing means, and resource setting means for setting the resource according to the information relating to the resource corresponding to the position selected by said position selecting means, and

when said computer is connected to said network circuit through any one of said plural connecting means, said resource setting means obtains the resource information corresponding to the position selected by said position selecting means from said resource information managing means, and sets the resource.

5. (TWICE AMENDED) A computer network system in which plural connecting means capable of connecting and disconnecting a computer is provided in a network circuit to which a first computer has been connected, and a second computer is connected to one of said connecting means, wherein

said first computer comprises resource information managing means for managing plural sets of information relating to resources, including the [physical location] position in the

Serial No.: 09/017,329

-6-

Docket No.: 1083.1049/MJB

real world of the resources, which are usable through said network circuit corresponding to plural positions,

b1
said second computer comprises resource information managing means for managing plural sets of information relating to the resources, including the [physical location] position in the real world of the resources, which are usable through said network circuit corresponding to said connecting means, position selecting means for selecting one of the information relating to plural sets of resources managed by said resource information managing means, resource setting means for setting the resource according to the information relating to the resource corresponding to the position selected by said position selecting means, and comparing means for comparing the updated time of the content of the own resource information managing means and the updated time of the content of said resource information managing means of said first computer, and

when said second computer is connected to said network circuit through any one of said plural connecting means, said resource setting means obtains the content of said resource information managing means of said first computer, and registers in said resource information managing means in the case where the comparing result by said comparing means shows that the updated time of the content of the own resource information managing means is before the updated time of the content of said resource information managing means of said first computer.

Serial No.: 09/017,329

-7-

Docket No.: 1083 1049/MJB

61
6. (TWICE AMENDED) A computer network system in which plural connecting means capable of connecting and disconnecting a computer is provided in a network circuit to which a computer is connected to one of said connecting means, wherein

said computer comprises resource information managing means for managing plural sets of information relating to the resources, including the [physical location] position in the real world of the resources, which are usable through said network circuit corresponding to said connecting means, position selecting means for selecting one of the information relating to plural sets of resources managed by said resource information managing means, resource setting means for setting the resource according to the information relating to the resource corresponding to the position selected by said position selecting means, updated resource information transmitting means for transmitting updated resource information to all computers connected to said network circuit when content of said resource information managing means is updated, and resource information updating means for updating the content of said resource information managing means when receiving the updated resource information, and

when said computer is connected to said network circuit through any one of said plural connecting means, said resource information updating means updates the content of said resource information managing means in the case where said resource information updating means receives the updated resource information from said updated resource information transmitting means of other computer.

7. (TWICE AMENDED) A computer network system in which plural connecting means capable of connecting and disconnecting a computer is provided in a network circuit to

Serial No.: 09/017,329

-8-

Docket No.: 1083.1049/MJB

which plural first computers have been connected, and a second computer is connected to one of said connecting means, wherein

each of said first computers comprises resource information managing means for managing information relating to a resource installed at a specific position in the real world usable through said network circuit, and resource information processing means for taking out the content of said resource information processing means in response to a request of information relating to usable resources from another computer, and transmitting to said network circuit,

b1
said second computer comprises position information managing means for managing information relating to the positions of the resources managed by each of said plural first computers, position selecting means for selecting one of the information relating to the positions managed by said position information managing means, resource information obtaining means for obtaining the information relating to the resource corresponding to the position selected by said position selecting means from said first computer managing it, and resource setting means for setting the resource according to the content of the resource information obtained by said resource information obtaining means, and

when said second computer is connected to said network circuit through any one of said plural connecting means, said resource information obtaining means obtains the resource information corresponding to the position selected by said position selecting means from the information managed by said position information managing means, and said resource setting means sets the resource.

Serial No.: 09/017,329

-9-

Docket No.: 1083.1049/MJB

8. (TWICE AMENDED) A computer network system in which plural connecting means capable of connecting and disconnecting a computer is provided in a network circuit to which a computer is connected to one of said connecting means, wherein

said computer comprises resource information obtaining means, when another computer is connected to said connecting means of said network circuit, for obtaining information relating to the usable resources through said network circuit from said other computer, said information including the [physical location] position in the real world of the resources, and resource setting means for setting the resource according to the information relating to the resource obtained by said resource information obtaining means, and

when said computer is connected to said network circuit through any one of said plural connecting means, said resource setting means sets the resource according to the resource information obtained by said resource information obtaining means from other computer connected to said connecting means of said network circuit.

9. (TWICE AMENDED) A computer network system in which plural connecting means capable of connecting and disconnecting a computer is provided in a network circuit to which a computer is connected to one of said connecting means, wherein

each of said plural connecting means has position managing means for storing the position information indicating each installation position in the real world,

said computer comprises resource information managing means for managing plural sets of information relating to the resources, including the [physical location] position in the real world of the resources, which are usable through said network circuit corresponding to

Serial No.: 09/017,329

-10-

Docket No.: 1083.1049/MJB

said connecting means, position selecting means for selecting one of the information relating to plural sets of resources managed by said resource information managing means corresponding to the position information stored in said position managing means of said connecting means, and resource setting means for setting the resource according to the information relating to the resource corresponding to the position selected by said position selecting means, and
when said computer is connected to said network circuit

through any one of said plural connecting means, said resource setting means sets the resource according to the resource information registered in said resource information managing means corresponding to the position information stored in said position information managing means of the connecting means to which said computer is connected.

61
10. (TWICE AMENDED) A computer network system in which plural connecting means capable of connecting and disconnecting a computer is provided in a network circuit to which a computer is connected to one of said connecting means, wherein

said connecting means comprises resource information managing means for managing the information relating to the resources, including the [physical location] position in the real world of the resources, which are usable through said network circuit near each installation position, resource information noticing means for noticing the content of said resource information managing means when the computer system is connected, and updated resource information registering means for updating and registering the content of said resource information managing means by receiving updated resource information from said computer,

Serial No.: 09/017,329

-11-

Docket No.: 1083.1049/MJB

b1
said computer comprises resource information receiving means for receiving the resource information managed by said resource information managing means noticed by said resource information noticing means, resource setting means for setting the resource according to the resource information received by said resource information receiving means, and updated resource information noticing means for noticing the updated resource information to said connecting means in order to update the content of said resource information managing means of said connecting means, and

when said computer is connected to said network circuit through any one of said plural connecting means, said resource information receiving means receives the resource information managed by said resource information managing means noticed from said resource information noticing means, and said resource setting means sets the resource according to the resource information received by said resource information receiving means.

11. (AS FILED) The computer network system as set forth in claim 10, wherein said connecting means further comprises updated resource information transmitting means for sending out updated resource information to said network circuit when the content of said resource information managing means is updated, and updated resource information receiving means for updating the content of said resource information managing means when receiving the updated resource information from said network circuit,

when updated resource information is noticed from said updated resource information noticing means to said connecting means, said updated resource information transmitting means sends out the updated resource information to said network circuit, and

Serial No.: 09/017,329

12-

Docket No.: 1083.1049/MJB

said updated resource information receiving means, when receiving the updated resource information from said network circuit, updates the content of said resource information managing means according to the received updated resource information.

sub E2 16. (TWICE AMENDED) A portable computer used by being connected to a

V2 computer network to which a server computer is connected, comprising:
a resource information inquiring unit for inquiring the information relating to the resources, including the [physical location] position in the real world of the resources, which are usable in said network, to said server computer of the network to which it is connected itself,

a resource information obtaining unit for obtaining resource information noticed from said server computer in response to the inquiry from said resource information inquiring unit, and a resource setting unit for setting at least one resource required in said network according to the information relating to the resource obtained by said resource information obtaining unit, wherein said resource setting unit, when connected to a certain network, sets the resource according to the resource information intrinsic to the network obtained by said resource information obtaining unit.